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EXPRESS MAIL NO. EV889152854US

Sheet <u>1</u> of <u>8</u>

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFI

INFORMATION DISCLOSURE STATEMENT

APPLICANTS
Masaki Aoshi

ATTY. DOCKET NO.

APPLICATION NO. 10/637,407

890050.436

Masaki Aoshima et al.

GROUP ART UNIT

(Use several sheets if necessary)					FILING DATE	G	ROUP ART UNIT		
					August 7, 2003		756		
			. U.S	. PATENT D	OCUMENTS				,
•EXAMINER - INITIAL		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS		DATE OPRIATE
w	AA	4,405,706	09/20/83	Takahashi	Takahashi et al.		271		
W	AB	4,500,889	02/1/9/85	Wada et al	•	346	1.1		
W	AC	4,529,991	07/1/6/85	Wada et al	•	346	76 L		
w	AD	4,609,611	09/92/86	Sigyo et al	•	430	270		
w	ΑE	4,682,321	07/2X/87	Takaoka et	akaoka et al. 369 284				
	AF	5,328,813	07/12/94	Strandjord	Strandjord et al.		321	-	
M	AG	5,459,018	10/1/1/95	Akahira		430	270		
MAN MAN	AH	5,560,998	10/01/96	Oyamatsu	et al.	428	694 ML		
w	Al	5,745,467	04/28/98	Sakaue et a	ıl.	369	116		
	AJ	5,818,808	10/06/98	Takada et a	ıl	369	116		
			FOREI	GN PATEN	T DOCUMENTS				
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* EXAMINER:

Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applican(s).

		U.S. DEPARTMENT OF C			ATTY. DOCKET NO. APPLICATION N 890050.436 10/637,407		PPLICATION NO.		
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W	AA	5,871,881	02/1/6/99	Nishida et	t al.	430	270.11		
	-AB-	5,949,747	09/07/99	-Miyashita	et al.	369	-54		
	AÇ	5,958,649	09/28/99	-Hirotsune	et al.	430	270.13		
	AD.	6,187,406	- 02/13/01	Ichihara e	tal.	428	64.1		
W	ΑE	6,245,404	06/1/2/01	Saito et al		428	64.1		
	AP	-6,278,680	08/21/01	Miyauchi	et al.	369	112.01		
w	AG	6,333,913	12/25/01	Yoshinari	et al.	369	283		
W	ΑН	6,345,026	02/05/02	Furukawa	et al.	369	59.11		
	_AI	-6,404,712	06/11/02	Lee et al.		369	47.53	<u> </u>	-
	ΑJ	6,404,713	-0 6/11/02	Ueki		369	47.53		
	AK-	6,416,837	-07/09/02	Kojima et	al.	428	64.1		
m	AL	6,528,138	03/94/03	Meinders	et al.	428	64.1		
	AM	6,611,481	08/26/03	Koishi et	al	369	47.53		
	AN	6,660,451	12/09/03	Sakaue et	al.	430	270.13		
	AO	6,670,014	12/30/03	Nishihara	et al.	428	64.1		
m	АР	6,699,591	03/9⁄2/04	Ishida et a	ıl	428	641		
			FOREI	GN PATEN	NT DOCUMENTS				
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		(Use several sheets if ne	cessary)		FILING DATE August 7, 2003			GROUP ART UNIT		
		,	U.S.	PATENT 1	ATENT DOCUMENTS					
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ur	АА	6,741,547	05/25/04	Tomura e	t al.	369	275.4			
W	АВ	6,751,184	06/1/5/04	Kojima et	al.	369	275.2			
W	AC	6,757,232	06/2/9/04	Yamada e	t al.	369	59.12			
W	AD	6,791,926	09/14/04	Furumiya	et al.	369	53.13			
W.	AE	6,809,859	10/2/6/04	Erdogan e	et al.	359	359			
W	AF	6,821,707	11/23/04	Uno et al.		430	270.13			
	AG	6,929,840	08/16/05	Hosoda et	al.	428	64.1		_	
w	ΑН	6,986,152	01/10/06	Takemoto	et al.	720	718			
w	ΑI	7,006,419	02/2/8/06	Yokoi		369	59.11	··.		
	AL	7,018,694	-03/28/06 -	Hosoda et	al.	428	64.1		-	
W	AK	7,130,256	10/3/1/06	Toda et al		369	59.11			
w	AL	7,142,496	11/2/8/06	Miyagawa	a et al.	369	59.11	<u>-</u> -		
M	АМ	7,143,426	11/2/8/06	Mishima e	et al.	720	718 .			
N	⁄AN	7,169,533	01/30/07	Sakaue et	al.	430-	270.13			
W	ΑO	7,190,650	03/13/07	Fujiune et	al.	369	53.22			
w	AP	2001/0005343	06/28/01	Shoji et al		369	47.51			
			FOREI	GN PATEN	IT DOCUMENTS					
		DOCUMENT NUMBER	DATE		COUNTRY		2	TRANS	LATION NO	
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Sheet <u>4</u> of <u>8</u>

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			U.S.	PATENT I	DOCUMENTS					
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME	CLA	SS	SUBCLASS		DATE OPRIATE
in	AA	2002/0160306	10/31/02	Hanaoka (et al.	430		270.13		
N	AB	2003/0134229	07/17/03	Yasuda et	al.	430		270.13		
	AC	2004/0013069	01/22/04	Uno et al.		369		59.11	_	
W	AD	2004/0052176	03/18/04	Narumi et	al.	369		47.39		
·	_AE_	2004/0174796	- 09/09/04	Mizushim	a et al.	369		94		
W	AF	2005/0047306	03/03/05	Inoue et a	1.	369		94		
	AG	2005/0243676	11/03/05	Kato et al.		369		59.11	`	•
	_ÀH	2006/0013111	-01/19/06	Inoue et al.		369		125		
w	Al	2002/01 10063	08/15/02	Yamada e	t al.	369		47.39		
m	AJ	7,154,844	12/26/06	Usami		369		286		
ur	AK	7,167,431	01/23/07	Miura et a	1.	369		59.11	-	
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			U.S.	PATENT	DOCUMENTS					
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		DOCUMENT NUMBER	DATE		COUNTRY			TRANS YES	LATION NO	
W	AB	54-133134	10/26/79	JP (+ Abs	tract in English)					
· ke	AC	60-219097	11/91/85	JP (+ Abs	tract in English)					
W	AD	62-226440	10/95/87	JP (+ Abs	tract in English)					
	AE	1-270528	10/27/89	JP (+ Abs	tract in English)					
	AF_	3-5929	01/11/91	JP (+ Abs	JP (+ Abstract in English)					
	AG	4-298389	10/22/92	JP (+ Abs	JP (+ Abstract in English)					
	AH	5-342635	12/24/93	JP (+ Abstract in English)					/	
	-AL	5-342631	12/24/93	.IP (+ Ab s	tract in English)					
	AJ	5-159358	06/25/93	JP (+ Abs	tract in English)					
	AK.	6-262854	-09/20/94	JP (+ Abs	tract in English)				_	
	AL	9-7176	-01/10/97 -	JP (+ Abs	tract in English)					
W	АМ	10-134919	05/2/2/98	JP (+ Abs	tract in English)					
W	AN	10-143919	05/28/198	JP (+ Abs	tract in English)					
	-A0	2000-297365	10/24/00	JP (+ Abs	tract in English)					
W	AP	2 336 463	10/2/0/99	GB						
m	AQ	1 122 723	08/98/01	EP						
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	AB	2000-222764	-08/11/00	JP (+ Abs	JP (+ Abstract in English)					
	AG-	2000-285509	10/13/00	JP (+ Abs	tract in English)					
W	AD	2001-101709	04/1 <i>3</i> /101	JP (+ Abs	tract in English)	 ;				
	-AE	2001-222819	08/17/01	JP (+ Abs	P (+ Abstract in English)					
W	AF	2001-266402	09/ 2⁄8 /01	JP (+ Abs	P (+ Abstract in English)					
	-AG-	2001-322357	11/20/01	JP (+ Abs	JP (+ Abstract in English)					
	АН	1 215 669	06/19/02	EP	<u> </u>	_				
	Al	1365108	-0 8/21/02	CN (± Ab	stract in English)					
	AJ	2002-329348	11/15/02	JP (+ Abs	tract in English)					
W	AK	2003-105738	04/09/03	-	tract in English)	•	•			
"u	AL	2003-77185	03/14/03		tract in English)					
`	АМ	2003-178448	06/27/03		tract in English)					
	AN	2003-260874	09/16/03		tract in English)					
,	AO	2003-326848	11/19/03		tract in English)		,			
	AP	2004-39177	02/05/04	` .	tract in English)					
	AQ	2004-158134	-06/03/04	JP (+ Abs	tract-in English)				<u> </u>	
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	AB	02/29787	04/11/02	WIPO (+	WIPO (+ Abstract in English)					
N	AC	1 195 756	04/10/02	EP						
	AD	58-220794	12/22/83	JP (+ Abs	tract in English)					_
vi	AE	1 143 724	10/10/01	EP	EP .					
W	AF	3-258590	11/18/91	JP (+ Abs	JP (+ Abstract in English)					
·W	AG	2002-150563	05/24/02	JP (+ Abs	JP (+ Abstract in English)					
W	АН	2002-15426	01/18/02	JP (+ Abstract in English)						
W	Al	2001-143265	05/25/01	JP (+ Abst	tract in English)					•
	AJ .	7-235465	-09/05/95	JP (+ Absi	tract in English)					
	AK-	9-7176	-01/10/97	J P (+ Abs t	tract in English)		<u>.</u>			
W	AL	2000-276736	10/06/00	JP (+ Abst	tract in English)					
V	АМ	98/28735	07/02/98	WIPO (+A	Abstract in English)					
k	AN	7-129959	05/19/95	JP (+ Abst	tract in English)					
W	АО	7-225947	08/22/95	JP (+ Abst	tract in English)					
w	АР	4-838	01/06/92	JP (+ Abst	ract in English)					
he	AQ	3-258590	11/18/91	JP (+ Abst	tract in English)					
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		DOCUMENT NUMBER	DATE		COUNTRY			TRANS YES	LATION NO	
W	AB	62-226442	10/0/5/87	JP (+ Abs	tract in English)					
W	AC	56-124134	09/29/81	JP (+ Abs	tract in English)					
W	AD	2002-237037	08/2/3/02	JP (+ Abs	tract in English)					
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